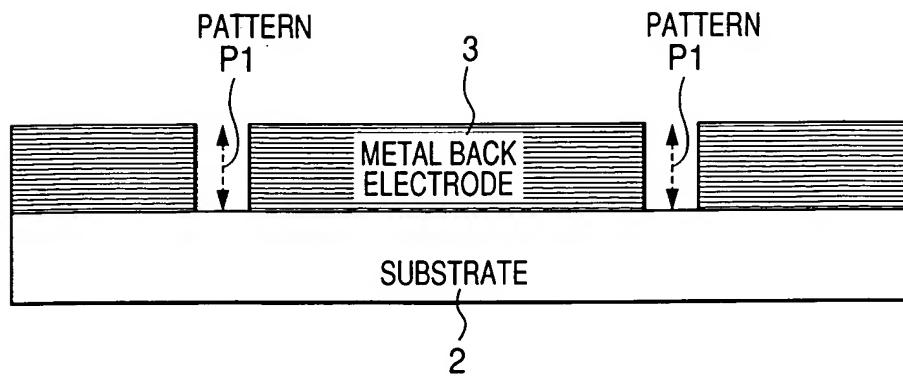
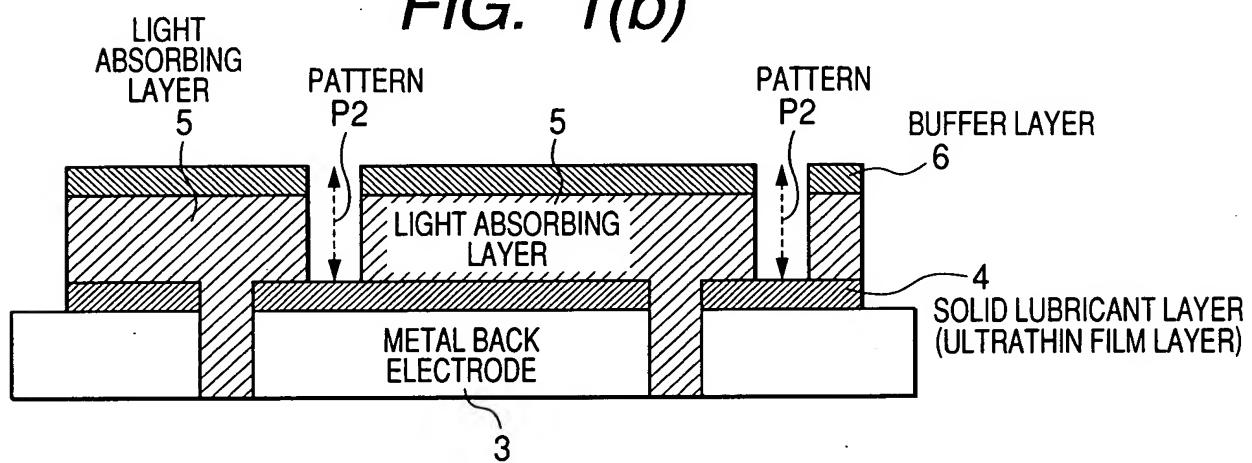


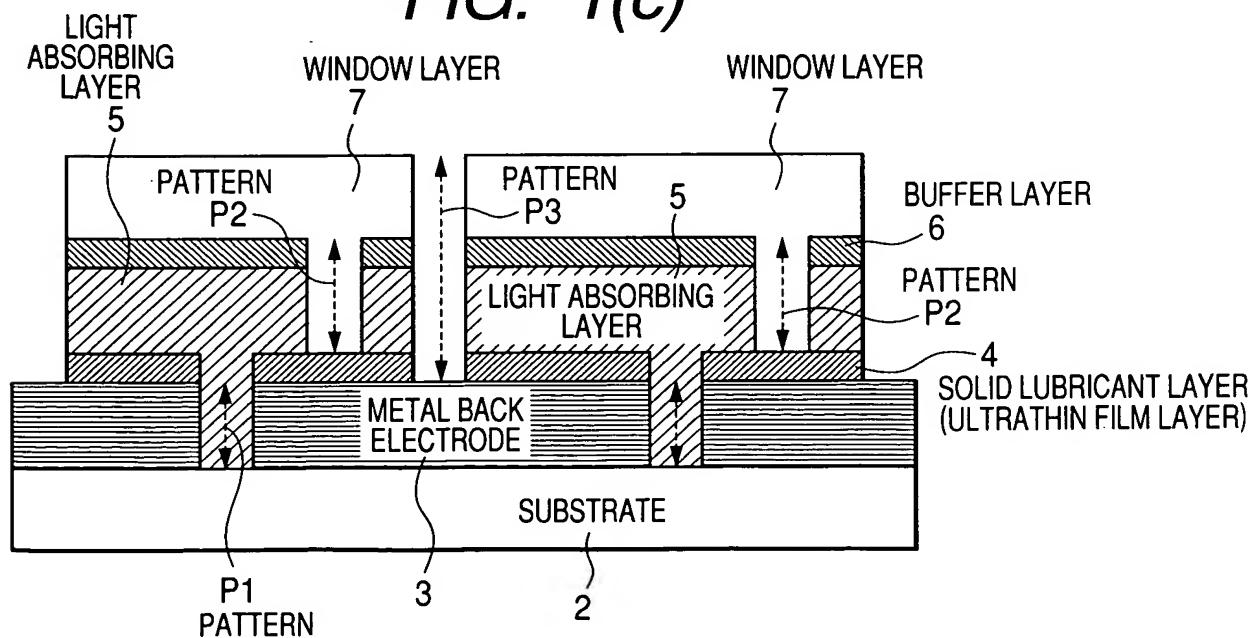
**FIG. 1(a)**



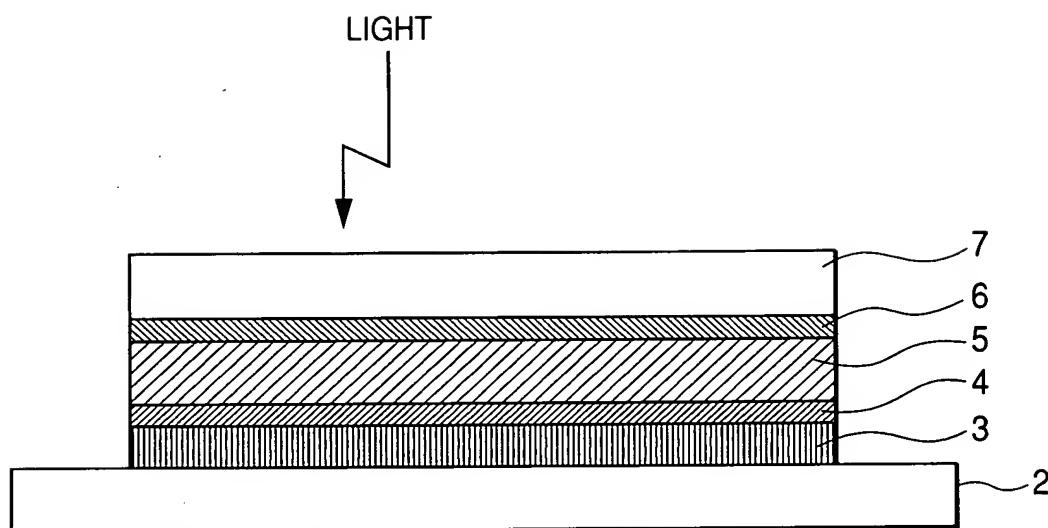
**FIG. 1(b)**



**FIG. 1(c)**



*FIG. 2*

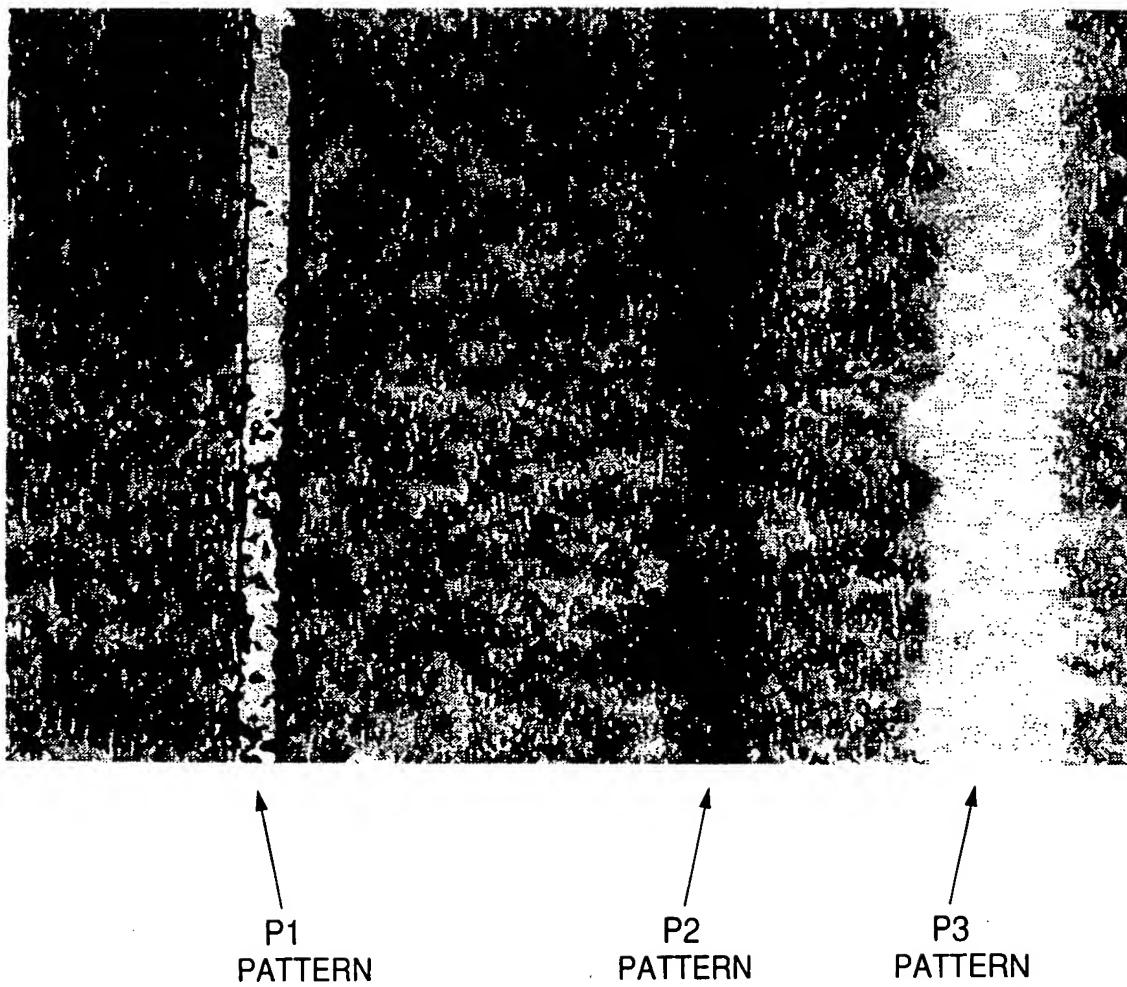


INTEGRATED THIN-FILM SOLAR CELL 1

- 2: SUBSTRATE
- 3: METAL BACK ELECTRODE
- 4: SOLID LUBRICANT LAYER
- 5: LIGHT ABSORBING LAYER (p-TYPE)
- 6: INTERFACE LAYER (BUFFER LAYER)
- 7: WINDOW LAYER (n-TYPE)

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FIG. 3



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*FIG. 4*

CIGS LIGHT  
ABSORBING LAYER

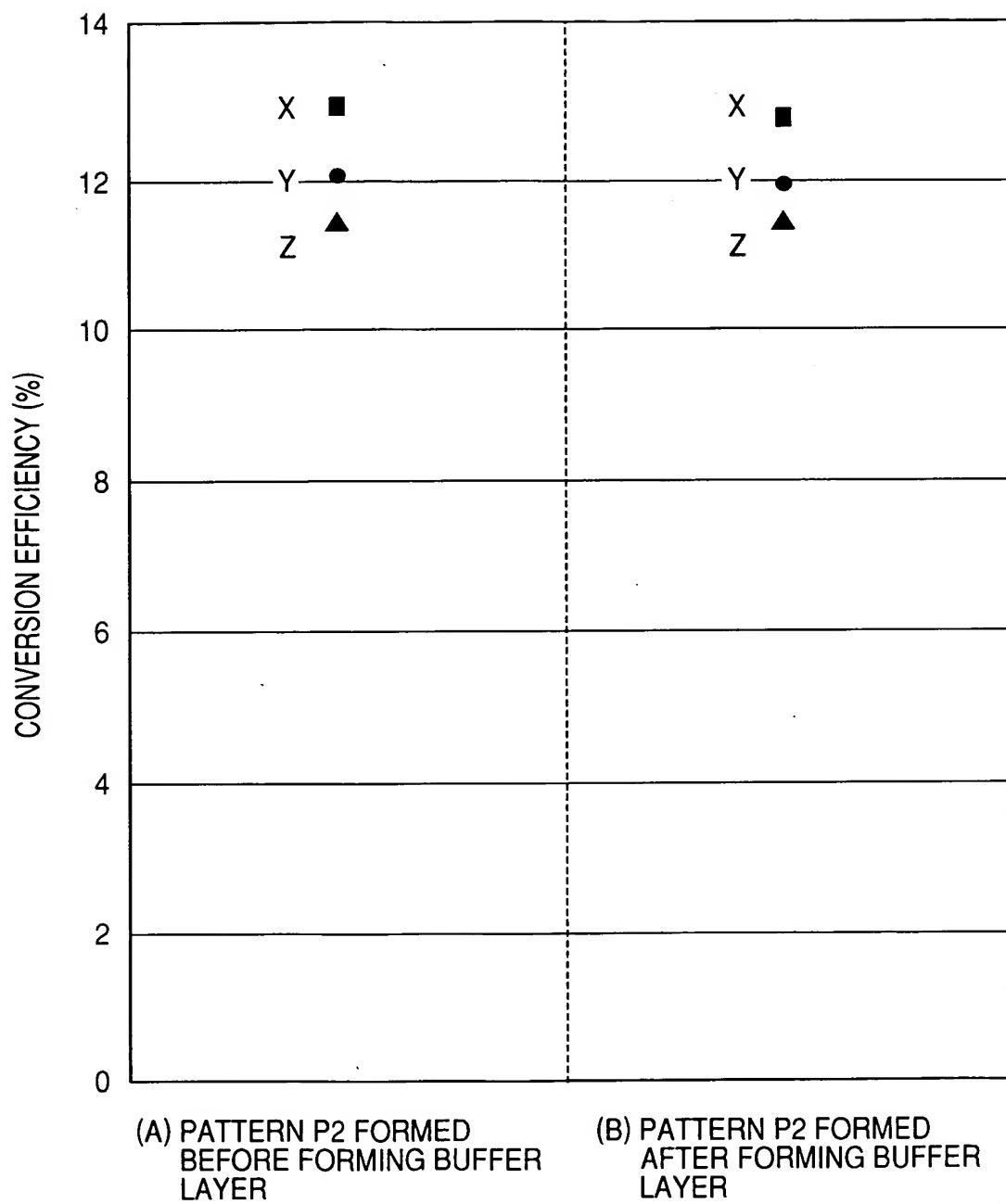
MoSe<sub>2</sub> ULTRATHIN  
LAYER

Mo METAL BACK  
ELECTRODE



500A

**FIG. 5**



*FIG. 6(a)*



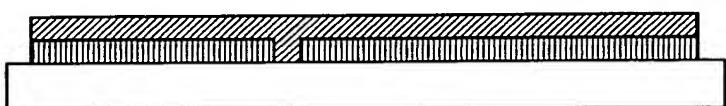
FORMING METAL BACK ELECTRODE LAYER ON SUBSTRATE

*FIG. 6(b)*



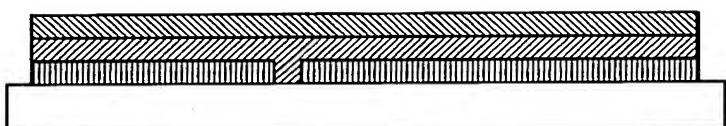
PATTERNING P1  
CUTTING METAL BACK ELECTRODE LAYER

*FIG. 6(c)*



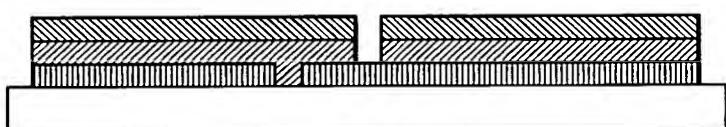
FORMATION OF LIGHT ABSORBING LAYER

*FIG. 6(d)*



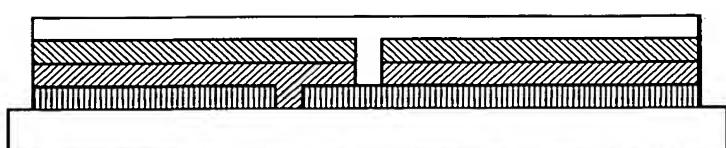
FORMATION OF BUFFER LAYER

*FIG. 6(e)*



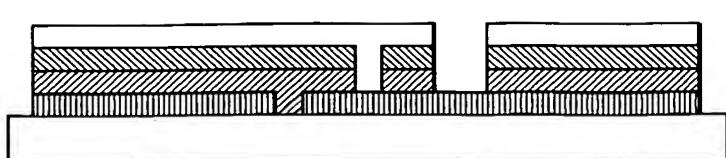
PATTERNING P2  
CUTTING LIGHT ABSORBING LAYER AND BUFFER LAYER

*FIG. 6(f)*



FORMING WINDOW LAYER

*FIG. 6(g)*



PATTERNING P3  
CUTTING LIGHT ABSORBING LAYER, BUFFER LAYER AND WINDOW LAYER